Inventor: Beech, Philip Michael Serial No.:10/591,794 Filing Date:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

BEECH, Philip Michael et al

Serial No.: 10/591,794

Filing Date:

Title: Non-thermal Plasma Reactor

Attn: Ms. Charitta Burt Fax No. 571-270-9832

RESPONSE TO NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Mail Stop Missing Parts

Attention: Ms. Charitta Burt

Ms. Burt:

Thank you for taking my assistant's telephone call the other day. As you were advised, the Declaration by the inventors was previously filed and acknowledged by the Patent Office for this application. We are resubmitting herewith copies of the documents submitted on October 12, 2006, and request that the application be given the filing date when the documents were originally submitted, that is October 12, 2006.

In response to the Formalities Letter dated March 9, 2007, there are submitted herewith the following:

- A copy of the Formalities Letter.
- 2. A copy of Form PTO-1390 originally filed by facsimile on October 12, 2006, and representing a second submission, comprised of the declaration of the inventors (4 pages), and Form PTO-2038 in payment of the surcharge for late filing of the declaration.

Also submitted are copies of the Certificate of Transmission PAGE 1/13*RCVD AT 4/19/2007 10:25:52 PM [Eastern Daylight Time]* SVR:USPTO-EFXRF-5/18* DNIS:2709832* CSID:703 491 8444* DURATION (mm-ss):02-30

Inventor: Beech, Philip Michael Serial No.:10/591,794 Filing Date:

dated October 12, 2006, and the Auto-Reply Facsimile Transmission from the USPTO dated 10/12/2006.

Thank you for your assistance in this matter.

Respectfully submitted,

April 19, 2007

Date

04/19/2007 21:28

William H. Holt Reg. No. 20766

Customer No. 25628

Law Offices of William H. Holt 12311 Harbor Drive Woodbridge, VA 22192

Telephone:

703-491-8880

Facsimile:

703-491-8444

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, to the attention of Ms. Charitta Burt at Facsimile No. 572-270-9832 on April 19, 2007.

Name

<u>Kathleen Holt</u>

Name

703-491-8444



UNITED STATES PATENT AND TRADEMARK OFFICE

FIRST NAMED APPLICANT ATTY. DOCKET NO.

Philip Michael Beech BEECH-15830

INTERNATIONAL APPLICATION NO.

PCT/GB05/00882

1.A. FILING DATE PRIORITY DATE
03/08/2005 03/09/2004

25628 LAW OFFICES OF WILLIAM H. HOLT 12311 HARBOR DRIVE WOODBRIDGE, VA 22192

U.S. APPLICATION NUMBER NO.

10/591,794

Date Mailed: 03/09/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/06/2006
- Copy of the International Search Report filed on 09/06/2008
- Preliminary Amendments filed on 09/06/2006
- Information Disclosure Statements filed on 09/06/2006
- Oath or Declaration filed on 09/06/2006
- Request for Immediate Examination filed on 09/06/2006
- U.S. Basic National Fees filed on 09/06/2008
- Priority Documents filed on 09/06/2006

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filling date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - does not identify the application to which it is directed.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be malled to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

PAGE 3/13 * RCVD AT 4/19/2007 10:25:52 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-5/18 * DNIS:2709832 * CSID:703 491 8444 * DURATION (mm-ss):02-30

Page 2.of 2

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

PART 1 - ATTORNEY/APPLICANT COPY

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|-----------------------------|-------------------------------|--|
| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
| U.S. APPLICATION NONDERLING | | BEECH-15830 |
| 10/591-794 | PCT/GB05/00882 | BEECH-13030 |

FORM PCT/DO/EO/905 (371 Formalities Notice)

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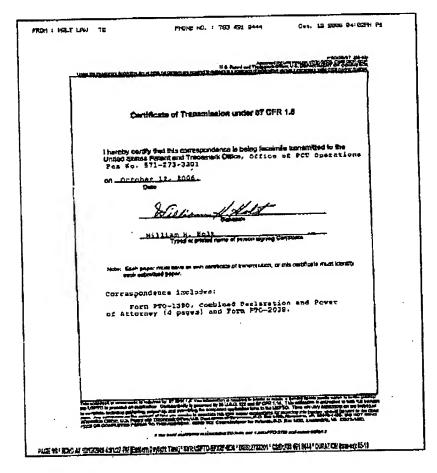
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8 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received Cover Page ======>



PTO/SB/97 (08-03)
Approved for use through 07/31/2003. OMB 0651-0031
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Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Office of PCT Operations Fax No. 571-273-3201

on <u>October 12, 2006.</u>
Date

Signature

William H. Holt

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Correspondence includes:

Form PTO-1390, Combined Declaration and Power of Attorney (4 pages) and Form PTO-2038.

This collection of information is required by 37 CFR 1.8 The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

| FORM P | TO-1390 | (Modified) U.S. PATENT AND TRAD | .K OFFICE; U.S. DEPARTMENT OF COMMERCE | ATTL EY'S DOCKET NUMBER |
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| (KEV. 2-) | ZWX) TRA | NSMITTAL LETTER | TO THE UNITED STATES | ВЕЕСН-15830 |
| | | | D OFFICE (DO/EO/US) | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) |
| | | | SION UNDER 35 U.S.C. 371 | |
| | | | INTERNATIONAL FILING DATE | PRIORITY DATE CLAIMED |
| INTER | | DNAL APPLICATION NO. CT/Z005/000882 | 8 March 2005 | 9 March 2004; 27 January 2005 |
| TITLE | OF IN | VENTION | | |
| NON- | THER | RMAL PLASMA REACTOR | | |
| | | | | |
| APPL | CANT | (S) FOR DO/EO/US | TANK Stanken Ivon WEEKS Do | wid Michael: SHAWCROSS, James, Timothy: |
| BEEC | CH, Ph | illip, Michael; GUY, Craig, Ste Thomas, Mark | phen; HALL, Stephen, Ivoi; White, ba | vid, Michael; SHAWCROSS, James, Timothy; |
| | | | The stand Office (DO/EO/LIS) the | e following items and other information: |
| Applic | | | es Designated/Elected Office (DO/EO/US) the | |
| 1. | | This is a FIRST aubmission of ite | ems concerning a submission under 35 U.S.C | i, 371. |
| 2. | \boxtimes | This is a SECOND or SUBSEQU | JENT submission of items concerning a subm | nission under 35 U.S.C. 37 I. C. 371(6). The submission must include items (5). (6). |
| 3. | | This is an express request to be (9) and (24) indicated below. | gin national examination procedures (35 U.S.) | C, 371(f)). The submission must include items (5), (6), |
| | | The US has been elected (Article | e 31). | |
| 4. 5. | | | cistion as filed (35 U.S.C. 371 (c)(2)) | |
|] 3. | | a. is attached hereto (req | uired only if not communicated by the Interne | ational Bureau). |
| ſ | | | ed by the International Bureau. | |
| 1 | | c. is not required, as the | application was filed in the United States Rec | eiving Office (RO/US). |
| 6. | | An English language translation | of the International Application as filed (35 U. | S.C. 371(c)(2)). |
| | _ | a. is attached hereto. | | |
| 1 | | b. Thas been previously so | ubmitted under 35 U.S.C. 154(d)(4). | |
| 7. | | Amendments to the claims of th | e International Application under PCT Article | 19 (35 U.S.C. 371 (c)(3)) |
| | | a. are attached hereto (n | equired only if not communicated by the Intern | national Bureau). |
| 1 | | b. have been communication | ated by the International Bureau. | |
| 1 | | | however, the time limit for making such amen | dments has NOT expired. |
| 1 | | d. have not been made a | and will not be made. | A A A 40 (00 H O C . 2744-1/2)) |
| 8. | | | of the amendments to the claims under PCT | Article 19 (35 U.S.C. 37 1(0)(3)). |
| 9. | \boxtimes | An oath or declaration of the inv | ventor(s) (35 U.S.C. 3/1 (c)(4)). | a. Evamination Report under PCT |
| 10. | | An English language translation Article 36 (35 U.S.C. 371 (c)(5) | n of the annexes to the International Prelimina). | ny Chammanon Nopole andor (O) |
| 11. | | | iminary Examination Report (PCT/IPEA/409). | |
| 12. | | A copy of the International Sea | | |
| | | 13 to 23 below concern docume | • | |
| 13. | | An Information Disclosure Stat | ement under 37 CFR 1.97 and 1.98. | |
| 14. | _ | An assignment document for re | cording. A separate cover sheet in complian | ce with 37 CFR 3.28 and 3.31 is included. |
| 15. | _ | A FIRST preliminary amendme | | |
| 16. | _ | A SECOND or SUBSEQUENT | | |
| 17. | _ | A substitute specification. | • | |
| 18. | _ | A power of attorney and/or cha | nge of address letter. | |
| 19. | | A computer-readable form of the | ne sequence listing in accordance with PCT R | tule 13ter.2 and 37 CFR 1.821 - 1.825. |
| 20. | . 🗆 | A second copy of the published | d International Application under 35 U.S.C. 15 | 64(d)(4). |
| 21. | | | anguage translation of the International Applic | cation under 35 U.S.C. 154(0)(4). |
| 22. | _ | Express Mail Label No. | • | |
| 23. | . 🗆 | Other items or information: | | |
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COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (USA) (INCLUDING DESIGN PATENT APPLICATIONS)

| below named inventor, I hereby | declare that: | | | | · . |
|--|--|--|---|--|---|
| | a sistematic are as stated below nex | t to my name. | | | A salama at the author |
| | ole inventor (if only one name is listed ent is sought on the invention entitled | halow) or an origi | nal, first and joint invent sma reactor | or (if plural names are li | sted below) of the subject made |
| specification of which is attached | hereto, unless the following box is a | necked: | | | |
| | 8 March 2005 99 | United States App | olication Number or PCT | | |
| N ober BC | T/GB2005/000882 and was an | nended on | | (if application | |
| · · · · · · · · · · · · · · · · · · · | and understand the contents of the ab | ove Identified spec | diffication, including the c | laims, ac amended by a | iny amendment referred to above. |
| eby state that I have leviewed a | nformation which is material to patent | ability as defined i | n Title 37, Code of Fede | rai Regulations, §1.58. | |
| | ts under Title 35, United States Code thich designated at least one country of ertificate, or of any PCT International | , §119(a)-(d) or 38 | 5(b) of any foreign appli | cation(s) for parameter | ventor's certificate, or 365(a) of so Identified below any foreign nich priority is claimed: Priority Claimed |
| | | | 09 March 2004 | · · · · · · · · · · · · · · · · · · · | [1] [X] |
| 05185.0 | United Kingdom (Country) | · | (Day/Month/Year Filed) | | Yes No |
| iber) | | | | | Priority Claimed |
| 04544.7 | United Kingdom | <u> </u> | 27 January 2005 | | . [X] { } Yes No |
| 01541.7 | (Country) | • | (Day/Month/Year Filed) | | • |
| • | . [] Additio | nal applications Ident | Jied on attached sheet. | | • |
| | tle 35, United States Code, §119(e) o | f any United States | s provisional application | (a) listed below: | • |
| reby claim the benefit under In | ge 35, United States Code, 31.19(5) | | | | |
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| plication Number) | de 35. United States Code. §120 of a d, insofar as the subject matter of eac | | () 005(a) | of any BCT Internations | application designating the United |
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PTO-1390 (Rev. 02-2005)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER U.S. APPLICATION NO (if known, see 37 CFR 1,5) BEECH-15830 PCT/2005/000882 **PTO USE** CALCULATIONS The following fees are submitted: \$300 \$0.00 If International preliminary examination report prepared by USPTO and all claims \$0.00 satisfy provisions of PCT Article 33(1)-(4)..... \$100 \$200 All other situations. Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 \$400 \$0.00 \$500 \$0.00 TOTAL OF 24, 25 and 26 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Number of each additional 50 or Extra Sheets **Total Sheets** fraction thereof (round up to a whole \$0.00 \$250.00 *1*50 = - 100 - Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). \$130.00 NUMBER EXTRA NUMBER FILED CLAIMS \$0.00 \$50.00 0 х - 20 = Total claims \$0.00 \$200.00 × - 3 = Independent claims \$0.00 MULTIPLE DEPENDENT CLAIMS (if applicable) \$360.00 TOTAL OF ABOVE CALCULATIONS = \$130,00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are \$0.00 reduced by 1/2. \$130.00 SUBTOTAL = Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). \$0.00 \$130.00 TOTAL NATIONAL FEE = Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property \$ \$0.00 TOTAL FEES ENCLOSED = \$130.00 Amount to be Amount to be \$ to cover the above fees is enclosed. a. A check in the amount of \$ to cover the above fees. in the amount of b. Please charge my Deposit Account No. A duplicate copy of this sheet is enclosed. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment . A duplicate copy of this sheet is enclosed. to Deposit Account No. 082670 information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: SIGNATURE Customer No. 25628 William H. Holt William H. Holt 12311 Harbor Drive NAME Woodbridge, VA 22192 Phone: 703-491-8880; Fax: 703-491-8444 20766 REGISTRATION NUMBER